

2004 Current Fiscal Year Report: Peer Review Committee For Source Term Modeling

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1. Department or Agency

Nuclear Regulatory Commission

2. Fiscal Year

2004

3. Committee or Subcommittee

Peer Review Committee For Source Term Modeling

3b. GSA Committee No.

13888

4. Is this New During Fiscal Year?

No

5. Current Charter

10/10/2002

6. Expected Renewal Date

10/10/2004

7. Expected Term Date

09/30/2004

8a. Was Terminated During Fiscal Year?

Yes

8b. Specific Termination Authority

42 U.S.C. 2201

8c. Actual Term Date

09/30/2004

9. Agency Recommendation for Next Fiscal Year

Terminate

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

11. Establishment Authority

Agency Authority

12. Specific Establishment Authority

42 U.S.C. 2201

13. Effective Date

07/01/1958

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee

Scientific Technical Program Advisory Board

16a. Total Number of Reports

No Reports for this Fiscal Year

17a. Open Meetings 0 17b. Closed Meetings 3 17c. Partially Closed Meetings 0 17d. Total Meetings 3

Purpose	Start	End
The Committee reviewed Sandia National Laboratories (SNL) activities associated with the development of guidance documents for estimating source terms resulting from sabotage attacks on radioactive material sources other than spent nuclear fuel and the development of a report on the radiological assessments for the NRC.	10/29/2003	10/31/2003
The Committee reviewed Sandia National Laboratories (SNL) activities associated with the development of guidance documents for estimating source terms resulting from sabotage attacks on radioactive material sources other than spent nuclear fuel and the development of a report on the radiological assessments for the NRC.	01/07/2004	01/09/2004
The Committee reviewed Sandia National Laboratories (SNL) activities associated with the development of guidance documents for estimating source terms resulting from sabotage attacks on radioactive material source transportation packages other than spent nuclear fuel and the development of a letter report on the radiological assessments for the NRC.	06/16/2004	06/18/2004

Number of Committee Meetings Listed: 3

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$153,234.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$50,000.00	\$0.00

18a(3). Personnel Pmts to Federal Staff	\$0.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$29,540.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$0.00	\$0.00
18d. Total	\$232,774.00	\$0.00
19. Federal Staff Support Years (FTE)	0.25	0.00

20a. How does the Committee accomplish its purpose?

The Committee develops guidance documents that assists the NRC in evaluating the impact of specific terrorist activities targeted at a range of spent fuel storage casks and radioactive material (RAM) transport packages, including spent fuel. The guidance developed provides the NRC with the bases for improving the allocation of resources for protecting radioactive materials and for responding to terrorist attacks.

20b. How does the Committee balance its membership?

Membership on the committee is balanced to obtain the range of scientific and technical expertise needed to calculate and develop guidelines for radioactive source terms (radiation doses and contamination). The expertise needed includes individuals with experience in structural, nuclear, and thermal engineering, fuel performance and source term evaluations, consequence analyses, weapons and explosives, and transportation of radioactive material.

20c. How frequent and relevant are the Committee Meetings?

The Committee meet 3 times during the year.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

The range of expertise needed by the committee in explosives, military weapons, structural, nuclear, and thermal engineering, fuel performance and source term evaluations, and consequence analyses is not available within the NRC.

20e. Why is it necessary to close and/or partially closed committee meetings?

Meetings were closed to discuss classified material related to national security.

21. Remarks

Committee terminated 9/30/2003

Designated Federal Officer

Charles Interrante

Committee Members	Start	End	Occupation	Member Designation
Anderson, Charles	10/10/2002	09/30/2004	SwRI	Special Government Employee (SGE) Member
Baker, Ernie	10/10/2002	09/30/2004	ARDEC	Special Government Employee (SGE) Member
Beyer, Carl	10/10/2002	09/30/2004	PNNL	Special Government Employee (SGE) Member
Darrough, Elizabeth	10/10/2002	09/30/2004	USEC	Special Government Employee (SGE) Member
Einziger, Robert	10/10/2003	09/30/2004	Independent Consultant	Special Government Employee (SGE) Member
Haschke, John	10/10/2002	09/30/2004	LLNL	Special Government Employee (SGE) Member
Holm, Judith	10/10/2002	09/30/2004	DOE	Special Government Employee (SGE) Member
Interrante, Charles	10/10/2002	09/30/2004	NRC	Special Government Employee (SGE) Member
Tinkler, Charles	10/10/2002	09/30/2004	NRC	Special Government Employee (SGE) Member

Number of Committee Members Listed: 9

Narrative Description

The Committee provides the Commission with a sound basis for assessing the potential risks to the public from a variety of sabotage attacks on radioactive material source transportation packages and on spent nuclear fuel storage and transportation containers.

What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety	<input checked="" type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input type="checkbox"/>
Other	<input type="checkbox"/>

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>

\$1,000,001 - \$5,000,000
\$5,000,001 - \$10,000,000
Over \$10,000,000
Cost Savings Other

☐
☐
☐
☐

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

0

Number of Recommendations Comments

The Committees work allows the Commission to make informed decisions on the level risk associated sabotage events. Counting the number of recommendations is not possible; the Committee members work interactively with NRC staff and contractors, providing their expertise in developing and refining models that allow for the assessments risks to the public from attacks on spent reactor fuel and radioactive materials. The input and guidance leads to improved regulations for security of the storage of and shipments of radioactive materials and spent fuel.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

0%

% of Recommendations Fully Implemented Comments

The input of the committee members is fully considered and used by the NRC staff and contractors in the model development and assessment process.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

0%

% of Recommendations Partially Implemented Comments

NA

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Through discussions and interactions with the Committee.

What other actions has the agency taken as a result of the committee's advice or recommendation?

	Checked if Applies
Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input checked="" type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

	Checked if Applies
Contact DFO	<input type="checkbox"/>
Online Agency Web Site	<input type="checkbox"/>
Online Committee Web Site	<input type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Access Comments

The work of the Committee is Classified.